

measuring a performance characteristic of the device; and  
adjusting the length of the transmission line to achieve a change in the measured performance characteristic.

14. The method of claim 13, wherein the device is a field effect transistor.

15. The method of claim 13, wherein the length of the transmission line is adjusted by laser trimming the transmission line.

16. The method of claim 13, wherein the performance characteristic is input return loss.

17. The method of claim 13, wherein the performance characteristic is output return loss.

18. The method of claim 13, wherein the performance characteristic is gain.

### **REMARKS**

Claims 1-6 have been cancelled without prejudice. Applicants reserve the right to file a continuation including the cancelled claims. Claim 7 and 13 have been amended. Thus, Claims 7-18 are pending in the present application. Applicant respectfully requests to enter the above amendment.

The subject matter of the various claims was commonly owned at the time of the invention because all inventors were regular employees of the Applicant at that time of the invention and obligated to assign any patent application to the Applicant.

### **Claim rejection under 35 USC §102:**

Claims 1-6, have been rejected under 35 U.S.C. 102(e), as being anticipated by Alley (US 6,320,462). Claims 1-6 have been cancelled without prejudice.

Claim rejection under 35 USC §103:

Claims 7-10, 12-14, and 16-18 have been rejected under 35 U.S.C. 103, as being unpatentable over Cioffi (US 4,992,752) in view of Edward et al. (US 4,825,220).

The Examiner states that Cioffi in view of Edward discloses a method of tuning an active device wherein the method includes all steps as claimed in claim 7. Applicant amended independent claims 7 and 13 to more clearly point out the present invention. Therefore, Applicant believes that none of the cited prior art discloses all the limitations of the present independent claims.

According to the present independent claims, the method of manufacturing includes the step of determining the source and load impedance of the device. Then, the characteristics of the matching circuit according to the initially determined source and load impedance are set. This matching circuit is then assembled at least in part with the device and the characteristics of the device are determined. Finally, the matching circuit is tuned to achieve the final adjustment of the assembled device.

Cioffi does not disclose such a method. As correctly found by the Examiner, Cioffi does not disclose the steps of measuring and adjusting because Cioffi simply discloses to use pre-adjusted transmission lines. However, according to the present claims the characteristics of the matching circuits are predetermined according to the specific characteristics of the device. Once, the device is assembled with the this predetermined matching circuit the whole device is measured and the transmission lines are respectively adjusted.

Neither Cioffi, Edwards, or Mannerstrale disclose such a method. Therefore, claims 7 and 13 are patentable over Cioffi in view of Edwards or Mannerstrale.

Claims 8-12 and 14-18 are dependent claims which include all limitations of at least the respective independent claims 1 or 13. Therefore, these claims are allowable at least to the extent of the respective independent claim 1 or 13.

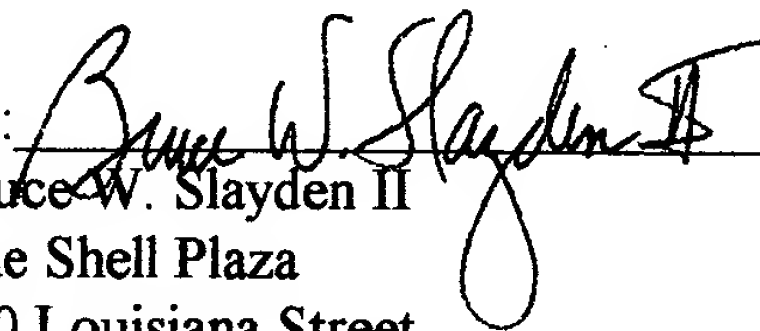
**CONCLUSION**

As hereby amended, claims 13-18 are pending in the application. The application as defined in the pending claims is patentable under 35 U.S.C. 103 in view of Cioffi and in further

view of Edwards and Mannerstrale. Therefore, applicants respectfully request withdrawal of the rejection and allowance of all pending claims.

Applicants do not believe that any other fees are due at this time; however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be required for any reason relating to this document, the Commissioner is authorized to deduct the fees from Deposit Account No. 02-0383, (*formerly Baker & Botts, L.L.P.*) Order Number 068736.0221.

Date: April 24, 2003

By:   
Bruce W. Slayden II  
One Shell Plaza  
910 Louisiana Street  
Houston, Texas 77002-4995  
Telephone: 713.229.1786  
Facsimile: 713.229.7886  
AGENT FOR APPLICANTS